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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,119	03/11/2004	Masami Maruyama	MARU3003/EM	4679
23364	7590	10/07/2005	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			NASRI, JAVAID H	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/797,119

Applicant(s)

MARUYAMA ET AL.

Examiner

Javaid Nasri

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 August 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-5 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 11 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art figures 11 and 12 in view of Frei et al (2,563,713).

Admitted prior art figures 11 and 12 discloses, **for claim 1**, A mold pin for a cable terminal comprising a resin mold body and press- fitting pins (3) buried in the resin mold body and arranged to be press-fitted into conductive through-holes in a printed board in order to connect a cable to the through holes, wherein soldered portions (34) for fixing conductive lines (1, 2) protruding from connecting ends of the cable are formed at base ends of the press-fitting pins, the soldered portions form notch portions (53) at edge portions of the press-fitting pins and are formed in such a manner that at least one of the conductive lines of the connecting ends of the cable is inserted into a respective one of the notch portions at least one conductive lines fills the respective one of the notch portions to an appropriate thickness, and the soldered portions are buried inside the resin mold body, **for claim 2**, the conductive lines buried inside the resin mold body are single signal lines or a signal line (2) and a shield line (1), and at least the shield line is fixed to each of the press-fitting pins in the soldered portions (34), **for claim 3**, in the notch portions of the soldered portions for fixing the shield line of the cable, the edge portions thereof

are cut out in the same direction as twisted shield lines, **for claim 4**, the soldered portions for fixing the signal line of the cable to the press-fitting pins are soldered in such a manner that the edge portions thereof are cut out the same direction as the twisted shield lines, the signal line is inserted into the notch portion and the notch portions are filled with the signal line to an appropriate thickness, **for claim 5**, the cable is a one-core coaxial cable, a plurality of the press-fitting pins (3) is provided parallel to each other, said press-fitting pins being supported by a supporting frame and spaced from each other so as to be separable from an end opposite to the base end, and the shield line and the signal line being inserted into the notch portion to be soldered in each of the press-fitting pins that is supported by the supporting frame.

However, the admitted prior art figures 11 and 12 does not disclose:

- a) At least one of the conductive lines of the connecting ends of the cable is inserted **straight** into a respective one of the notch portions at least one conductive line fills the respective one of the notch portions to an appropriate thickness, and **is coplanar** with the press-fitting pins. Frei et al discloses at least one of the conductive lines of the connecting ends of the cable is inserted **straight** into a respective one of the notch portions at least one conductive line fills the respective one of the notch portions to an appropriate thickness, and **is coplanar** with the press-fitting pins (see figures 1 and 2), therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention for the admitted prior art figures 11 and 12 to have at least one of the conductive lines of the connecting ends of the cable is inserted **straight** into a respective one of the notch

portions at least one conductive line fills the respective one of the notch portions to an appropriate thickness, and **is coplanar** with the press-fitting pins in view of Frei et al to have study connection.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

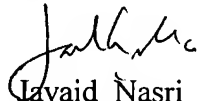
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

**Contact**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Javaid Nasri  
Primary Examiner  
Art Unit 2839

JN  
Jhn  
October 5, 2005